

CLAIMS

- 5 1. Roof liner (1) with a core layer (2), a reinforcement layer (3) arranged on
at least one side of this core layer (2) and a decorative layer (4) facing a
passenger compartment, whereby the reinforcement layer (3) is formed
from at least one plastic matrix and fibres and the core layer (2) is formed
from a foam material,
10 **characterised in that**
the foam material (5) and plastic matrix present at least one polyolefin,
whereby the polyolefin of the foam material is polypropylene and the
fibres are arranged non-directionally in the plastic matrix.
- 15 2. Roof liner according to Claim 1,
characterised in that
the polyolefin of the plastic matrix is polypropylene and/or polyethylene.
- 20 3. Roof liner according to Claim 1 or 2,
characterised in that
the polypropylene of the foam material presents a stretch ratio of between
4 and 50 and preferably between 6 and 40.
- 25 4. Roof liner according to one of the preceding Claims,
characterised in that
the fibres are natural fibres of jute, sisal or the like.
5. Roof liner according to one of the preceding Claims,
characterised in that

the fibres are formed as a fibre mat with the polyolefin as a powder or fibrous additive.

6. Roof liner according to one of the preceding Claims,

characterised in that

the reinforcement layer (3) furthermore contains polyester fibres and/or a bonding agent.

7. Roof liner according to Claim 6,

characterised in that

the polyester is added to the reinforcement layer (3) as a polyester mat.

8. Roof liner according to one of the preceding Claims,

characterised in that

the ratio of the fibrous portion of fibres in the reinforcement layer (3) is between 15 and 40 percent by weight or preferably between 20 and 35 percent by weight.

9. Roof liner according to one of the preceding Claims,

characterised in that

before the shaping of the roof liner (1), without application of a separate adhesive, the decorative layer (4) itself and/or a sandwich (8) made of a core layer (2) and reinforcement layer (3) are warmed and both are subsequently in contact.

10. Roof liner according to one of the preceding Claims,

characterised in that

the decorative layer (4) presents an adhesive, particularly as an adhesive fleece mat (7).

11. Roof liner according to one of the preceding Claims,
characterised in that
the fibres of the reinforcement layer (3) are glass fibres or other
synthetically manufactured fibres.
12. Roof liner according to one of the preceding Claims,
characterised in that
the roof liner (1) presents integrated energy absorption elements,
particularly during the shaping of the roof liner.
13. Roof liner according to one of the preceding Claims,
characterised in that
the application of the decorative layer (4) and the forming of the roof liner
(1) are carried out in a one-step process.
14. Roof liner according to one of the preceding Claims,
characterised in that
the bonding agent of the reinforcement layer is a thermoplastic emulsion.